

REMARKS

Claims 1-6, 8, 9, and 11-17 are rejected and remain pending in the application.

Claims 8, 9, 11, 12, 14, 15, and 17 are rejected under 35 USC 103(a) as being unpatentable over Admitted Prior Art (APA), in view of US 5337413 (Lui), and US 2003/0177144 (Hover). Claim 8 has been amended to incorporate the signal filtering control logic feature of claim 11. Regarding the subject matter of claim 11, now incorporated into claim 8, the examiner has asserted that the Lui reference renders signal filtering and reconstruction obvious. The examiner has cited to Col. 7 Lines 20-67 and Col. 4 lines 39-42 as evidence of this assertion. The examiner has erroneously interpreted the Lui reference to include elements not taught or disclosed within the reference. Lui describes switching between a monitor mode and a bypass mode (Col 7, lines 20-67) and describes re-shaping a signal (Col. 4 lines 39-42). The re-shaping of Lui merely describes altering the waveform to place it in more functional form. Furthermore, the signal of Lui is never filtered, indeed the term “filter” appears at no point in the specification of Lui. Therefore, Lui does not disclose or teach the features of filtering and reconstructing found in claim 8.

Additionally, Hover is relied on solely to show the utilization of a high level programming language and does not teach or make obvious the above described feature. Therefore, the rejection of claim 8 under 35 USC 103(a) is improper and should be withdrawn.

Claims 1-6, 13, and 16 are rejected under 35 USC 103(a) as being unpatentable over APA in view of Lui and Hover, and further in view of US 6701402 (Alexander). Claim 1 has been amended to incorporate the signal filtering control logic feature of claim 5. Regarding the subject matter of claim 5, now incorporated into claim 1, the examiner makes the same erroneous interpretation of Lui as is described above with regards to claim 8. Claim 1 contains the feature of “signal filtering and reconstruction control logic”. Alexander is relied on only to illustrate bus idle detection circuitry in the bus idle repeater, and Hover is relied on only to disclose the utilization of a high level programming language. Since Lui does not disclose or teach the filtering or reconstructing, and Alexander and Hover are relied on for other features, the rejection under 35 USC 103(a) of the claim 1 is improper, and should be withdrawn.

The applicant believes no additional fees are necessary. However, the Commissioner is authorized to charge Deposit Account No. 08-0385 in the name of Hamilton Sundstrand Corporation for any extensions of time or additional fees and credit any overpayments.

Respectfully Submitted,
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